

# 11 Center Drills / Centering Tools

Point dia.	Shank dia.	Overall length	Point length
Dc	Ds	L	ℓ <sub>1</sub>

JIS

①

Spiral Fluted Taps  
(for blind hole)

②

Spiral Fluted Taps  
(for through hole)

③

Spiral Pointed Taps  
(for through hole)

④

Hand Taps

⑤

Cemented  
Carbide Taps

⑥

Roll Taps

⑦

Special Thread Taps  
Simple Inspection tools

⑧

Pipe Taps

⑨

Thread Mills  
Premium Thread Mills

⑩

Dies

⑪

Center Drills  
Centering Tools

⑫

Precision Machinery/  
Medical Surgical Instruments

JIS

## PE-Q V

Point Drills 90°, Coated



### Specification

**HSS** **Coating**

■PE-Q V is the coated point drill enabling positioning (125° edge angle) and chamfering (90°) simultaneously. High cutting accuracy is available owing to a good cutting-start due to 2 step flat design. Optimum coating suitable for the cutting condition.

### Cutting Speed depending on Materials

Low carbon steels  
低炭素鋼  
**40~50**  
(m/min)

Medium carbon steels  
中炭素鋼  
**30~45**  
(m/min)

High carbon steels  
高炭素鋼  
**30~46**  
(m/min)

Alloy steels  
合金鋼  
**25~35**  
(m/min)

Thermal refined steels  
調質鋼  
**10~20**  
(m/min)

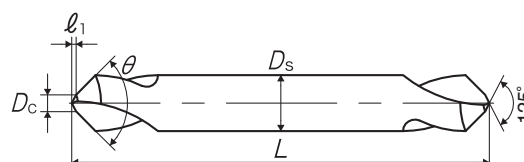
Stainless steels  
ステンレス鋼  
**15~20**  
(m/min)

Cast irons  
鋳鉄  
**40~50**  
(m/min)

25~35HRC

Aluminum alloy castings  
アルミ合金鋳物  
**85~120**  
(m/min)

### TYPE: 1



Segment : 56

Size Ds × Dc × θ	Code	Dc (mm)	Ds (mm)	L (mm)	ℓ <sub>1</sub> (mm)	TYPE	MSRP
3 × 0.5 × 90°	VPE3.0Q	0.5	3	40	0.13	1	¥ 4,930
4 × 1 × 90°	VPE4.0Q	1	4	45	0.26	1	¥ 4,560
6 × 2 × 90°	VPE6.0Q	2	6	55	0.52	1	¥ 4,990
8 × 2.5 × 90°	VPE8.0Q	2.5	8	65	0.65	1	¥ 6,250
10 × 3 × 90°	VPE010Q	3	10	75	0.78	1	¥ 8,000
12 × 3.5 × 90°	VPE012Q	3.5	12	85	0.91	1	¥ 10,200
16 × 4 × 90°	VPE016Q	4	16	90	1.04	1	¥ 15,300
20 × 5 × 90°	VPE020Q	5	20	100	1.30	1	¥ 23,500